

Triton[®] T800



Cable and Pipe Burial ROV

■ Depth Rating	2500 MSW
■ Power	800 HP
■ Control System	Single Mode Fibre Optic PC Based
■ Burial Capability	Up to 3.0 m Burial
■ Pressure & Flow Water Jetting System	Variable
■ Lift Point	Variable
■ Soil Erosion System	Water Jetting System



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Specifications		
Depth Capacity	2500 MSW	
Thruster Configuration	- 500mm diameter high performance horizontal thrusters in quad arrangement (variable displacement thrust control) (4) - 500mm diameter high performance vertical thrusters (4)	
Maximum Speed (Free flying)		
Forward	2.5 knots	
Lateral:	2.2 knots	
Maximum Speed (Tracked)		
Forward:	2500 m/hr	
Maximum Speed (Pipe Rollers)		
Forward	1000 m/hr	
Dimensions (Maximum)		
Width:	4200 mm	
Length:	5300 mm	
Height:	3300 mm	
Vehicle Air Weights (in 200 kg payload)		
Skid Configuration:	19000 kg	
Tracked Mode Configuration:	18500 kg	
Pipe Running Mode Configuration:	20500 kg	
Propulsion System	- 225 kW/300 HP Electrohydraulic power units (1) - Horizontal thrusters (4) - Vertical thrusters (4)	
Hydraulic Manifolds	- ROV, Thruster Control Manifolds (proportional valves for pilot control of thruster motor) (2) -ROV, 10 function solenoid/proportional valve manifold (4)	
Lighting System	-250 watt lights, 2 per dimming circuit standard (12)	
Depth Sensor	-High accuracy sensor, 0.1% over full scale for depth	
Heading Sensor	-Solid state Gyro with Fluxgate	
Auto Functions	-Heading -Depth -Altitude -Cable Track	
		Control Systems -ROV Surface control-Pentium PC based -ROV Subsea Control-STD 32 based -Database driven software and real-time operating system
		Data Transmission -Single mode fiber optic video and data multiplexer -Real-time video channels available (8) -Full duplex RS232 @ 115 kpbs data channels (4) -Full/half duplex RS485/422/232 @ 115 kpbs channels (4)
		Jetting System -187 kW/250 HP Electrically driven water pumps (2) -1 m, 2 m, 3 m cable burial tool -Integrated dredge educator pipeline burial tools -Hydraulically deployed cable depressor (variable force)
		Cable/Pipeline Burial Capabilities -Cable/Pipe Size Range – 150 to 600mm (diameter). Options available to 600mm on request -Cohesive Soil – Up to 100kPa -Non-Cohesive Soil – Sand, Silt and Gravel to 30mm -Burial Depth – 1.0m to 3.0m (depending on soil conditions) -Burial Speed – 350 to 1000 m/hr (depending on soil conditions and burial depth)
		Track System -Underwater Tracks, hydraulic driven (2) -Minimum Soil Strength – 3.5 kPa Shear Strength
		Optional Pipe Capture System -Front and rear driven pipe gripping rollers to provide motive force along pipeline during burial operations (2) -Both roller systems include raise/lower deployment mechanism to adjust ROV height off pipeline
		Additional Sensor and Tool Equipment -Scanning Sonar -Radio Beacon -DVL -Master/Slave or Rate Manipulators -Cable Cutter & Gripper Cable Location System -Navigation System -Dredge Pump -Strobe Flasher -Control/Work/Storage Vans -Umbilical Winch -Launch & Recovery System
Data Sheet: A001-350-054 Issue 3		

The specification details are illustrative for marketing purposes only. Actual equipment may be different as a result of product improvement or other reasons. Specific interface and performance information should be reconfirmed at time of order placement.

